

LOCATION: BONANZA CREEK ROAD		Diamond Drill Record		HOLE NO86 EAN 1	Page 1 of 4
AZIMUTH: 015	DIPS - collar 60 °	CONTRACTOR: ARCTIC DIAMOND DRILLING		PROPERTY: EASTERN	
ELEVATION:	- m °	LOGGED BY: WENDY SISSON		CLAIM NO. 5	
LENGTH: 278 FEET	- m °	DATE: NOVEMBER 17, 1986		SECTION NO. CRAZY	
CORE SIZE: n Q	- m °			STARTED:	
PURPOSE: TO DETERMINE NATURE OF MAG-LOW ANOMALY				COMPLETED: NOVEMBER 14, 1986 11:00	

Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from Nft	to Nft		from Nft	to Nft		Thickness mm	Angle to core	minerals in decreasing abundance
0	46	Casing						
46	108	Loose gravels and sands and loose fractured bedrock.						Recovery: 46 - 54 = 1' 54 - 77 = 0 77 - 84 = 2' 84 - 96 = 0 96 - 98 = 1.5' 98 - 105 = 0.5' 105 - 114 = 7' 114 - 118 = 100% 118 - 121 = 100% 121 - 125 = 1' 125 - 127 = 0.5' 127 - 133.5 = 4' 133.5 - 135 = 1'
108	135	Laminated Felsic Metatuff. Cream, light green, very fine to fine grained with moderate foliation defined by fine muscovite/clay rich layers less than 1 mm. Rock is very siliceous giving massive appearance with coarse fracture surfaces often parallel to foliation. Note small quartzose fragments averaging 1 mm, (up to .5 cm) parallelling foliation, (possible remnant ash/sharl ejecta). Quartz rich lamellae averaging 1 mm. Angle to C.A. is 60°. Foliation is uniform with only minor warping. Strong lineation outlined by muscovite on fractured surface. (formerly white rhyolite).	108	127	Weak disseminated pyrite throughout with very weak Fe staining only locally. Pyrite = 1%. Calcareous partings along fracture surfaces, approximately 1%.			

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from xxft	to xxft		from xxft	to xxft		Thickness mm	Angle to core	minerals in decreasing abundance
126.5	135	Grey laminated felsic tuff as described above.						
127	135	Shear Zone. Within grey laminated felsic tuff. Note coarse, dark grey, fragment-supported breccia with fragments principally comprised of grey metatuff (95%) and light grey to white opaque quartz (5%). Fragments up to 3 cm long, averaging 1 cm in length. Fragments separated by fine partings of graphite-rich material. Zone is fairly massive and consolidated with fragments comprising 95% of rock. Probable autoclastic breccia associated with shearing along foliation.			Pyrite approximately 1% throughout fragments. Graphitic matrix material is weakly calcareous with pyrite up to 3% locally averaging 1%.			
135	143	Banded Felsic Metatuff. Light grey, fine grained rock with distinct bands of contrasting compositional layers. Muscovite bands are up to 1.5 cm thick, averaging .5 cm in thickness and comprise 40% of rock. Creamy quartz bands are up to 2 cm thick, averaging .7 cm in thickness and comprise 60% of rock. Bands are consistent and where contorted "poddy" in appearance with quartz forming discontinuous layers distorted into minor folds and warps.			Very weak disseminated pyrite throughout, less than 1%.			135 - 137 = 2' 137 - 141 = 2' 141 - 278 = 100%

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from xft	to xft		from xft	to xft		Thickness mm	Angle to core	minerals in decreasing abundance
143	199	angle to C.A. is 50° Non calcareous. Laminated Felsic Metatuff. Cream to light green grading into grey locally. Fine to very fine grained, massive siliceous rock with finely laminated, compositional layers of quartz versus muscovite rich material. Layers average 1 mm across, consistent showing little to no distortion. Rock appears weakly fragmental locally with small quartzose fragments up to 1 mm along foliation. Non calcareous. Well developed foliation with angle to C.A. is 50°			Very weakly disseminated pyrite throughout less than 1%.			141 - 278 = 100%
150	156	Medium grey laminated felsic metatuff.						
191	194	Light grey laminated felsic metatuff.						
199	208.5	Diabase Dyke. Dark grey to black. Aphanitic groundmass with small rounded and lath-like phenocrysts 1 mm across. Phenocrysts approximately 3 - 5% consisting of plagioclase and olivine in aphanitic groundmass (pyroxene-rich). Magnetite disseminated throughout, magnetitic.						

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Section		ROCK DESCRIPTION	Interval		ALTERATION, MINERALIZATION etc.	VEINLETS		
from xft	to xft		from xft	to xft		Thickness mm	Angle to core	minerals in decreasing abundance
208.5	277	Massive, dense Magnetite approximately 3%.  Quartz Feldspar Porphyry Dyke. Massive, dense green grey rock with prominent phenocrysts of Kspar plus smoky quartz eyes. Phenocrysts are set in aphanitic quartzose feldspar groundmass. Phenocrysts make up 30 - 35% of rock (with 25% plagioclase 10 - 15% quartz eyes). Dyke carries rounded xenoliths of diabase dyke, less than 1% of section, up to 5 cm long, magnetic. Dyke has aphanitic margin zones. Weakly calcareous			Very weakly disseminated pyrite throughout less than 1%.			
277	278	Diabase Dyke. Dense dark grey rock as in 199 - 208.5.  Magnetic.  Note: Caving in hole, binds rods down hole, all rods and hardware lost down hole.						

## Assay Data Sheet

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Assay Data Sheet											HOLE NO	EAN #1	Page 1	of 2
From m ft	To m ft	Length m ft	Ag ppm	Au ppb	Au oz FA	Cu %	Cu ppm	Fe%	Zn ppm	Pb ppm	Rock	Sample Number		
46	96	50									gravel	36419G		
96	109	13									gravel	36420		
109	114	5									cam m tuff	36421	cam	
114	118	4									m tuff	36422	cam	
118	127	9									m tuff	36423	cam	
127	135	8									shear zone	36424		
135	141	6									m tuff	36425	banded	
141	145	4									m tuff	36426	banded	
145	148	3									m tuff	36427	banded	
148	151.5	3.5									m tuff	36428	cam	
151.5	155	3.5									m tuff	36429	cam	
155	157	2									m tuff	36430	cam	
157	160.5	3.5									m tuff	36431	cam	
160.5	164.5	4									m tuff	36432	cam	
164.5	168.5	4									m tuff	36433	cam	
168.5	172.5	4									m tuff	36434	cam	
172.5	176	3.5									m tuff	36435	cam	
176	180.5	3.5									m tuff	36436	cam	
180.5	184.5	4									m tuff	36437	cam	
184.5	189	4.5									m tuff	36438	cam	
189	194.5	5.5									m tuff	36439	cam	
194.5	199	4.5									m tuff	36440	cam	
199	202	3									diabase	36441		
202	205	3									diabase	36442		



## Assay Data Sheet

											HOLE NO	EAN #1	Page 2	of 2
From m ft	To m ft	Length m ft	Ag ppm	Au ppb	Au oz FA	Cu %	Cu ppm	Fe%	Zn ppm	Pb ppm	Assay Rock	Sample Number		
205	208.5	3.5									diabase	36443		
208.5	212.5	4									qf porph	35444		
212.5	216.5	4									qf porph	36445		
216.5	220.5	4									qf porph	36446		
220.5	224.5	4									qf porph	36447		
224.5	228.5	4									qf porph	36448		
228.5	233	4.5									qf porph	36449		
233	237	4									qf porph	36450		
237	241	4									qf porph	36451G		
241	245	4									qf porph	36452		
245	249	4									qf porph	36453		
249	253	4									qf porph	36454		
253	257	4									qf porph	36455		
257	261	4									qf porph	36456		
261	265	4									qf porph	36457		
265	269	4									qf porph	36458		
269	271	4									qf porph	36459		
273	277	4									q fels porph	36460		
277	278	1									diabase	36461		